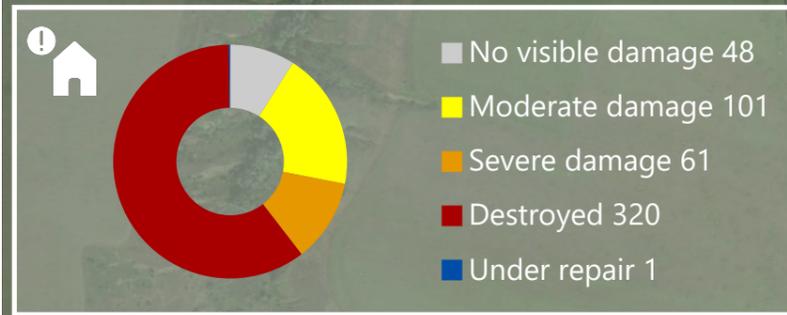


UKRAINE - DOVHENKE, KHARKIVSKA OBLAST

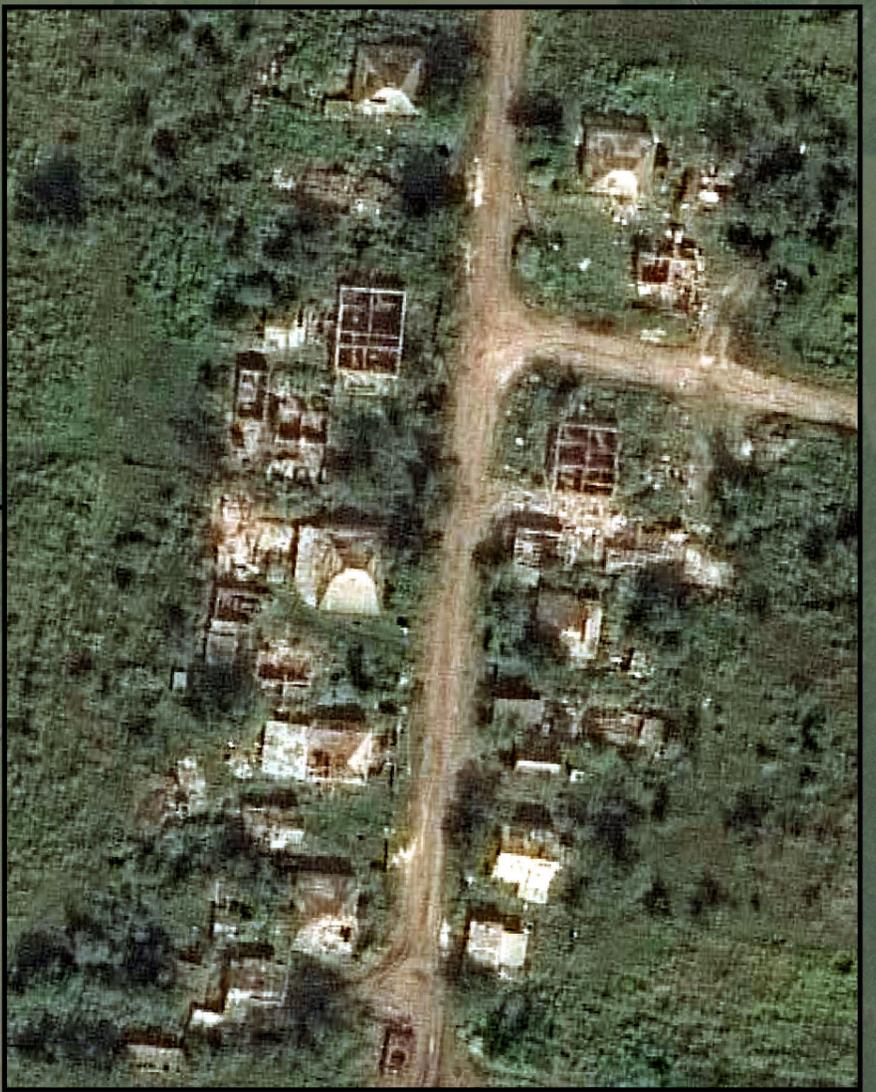
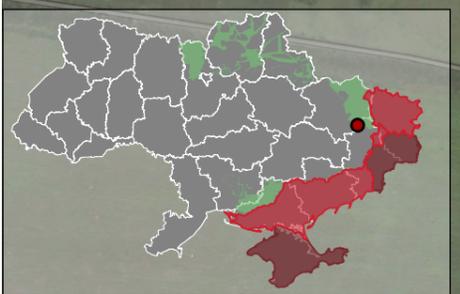
Conflict-impacted residential buildings - 28 August 2022

For humanitarian purposes only
Production date : 30 October 2023



774 (91%)
Estimated impacted people
Total population: 850 people

*These are pre-war population figures (before February 2022), likely to have significantly decreased due to ongoing military activities.



Dovhenke is a small rural settlement in Izyum raion of Kharkiv oblast, approximately 20 km south of the city of Izyum. According to the State Statistics Service of Ukraine, it hosted a population of 850 prior to the start of the full-scale war. Its location near the front line and the strategic E40 highway makes this settlement highly vulnerable to conflict-related damage. Dovhenke came under the control of the Armed Force of the Russian Federation in May 2022, returning under Ukrainian control in September 2022.

The settlement incurred significant damage due to military activities from April to May 2022, and in August 2022. Out of the 531 residential buildings in Dovhenke, 483 were detected as damaged, including 320 destroyed and 61 having incurred severe damage. This assessment aims to support shelter repair, recovery and reconstruction efforts by providing accurate settlement-level data on conflict-related residential damage.

Methodology

The methodology is designed to ensure accuracy, comprehensiveness and reliability of data, and entails the following steps: 1) automated detection of damage through UADamage's artificial intelligence neural networks based on high-resolution satellite imagery; 2) detailed visual inspection of each building to confirm damage, assign severity, and exclude non-residential structures; 3) triangulation of results with ground-truthing by IMPACT field personnel and other relevant secondary data; 4) estimation of the number of impacted people based on the number of impacted buildings and the average household size in the area.

Situation map legend

- Areas of The Autonomous Republic of Crimea, Donetsk and Luhanska Oblasts beyond the control of the Government of Ukraine since 2014
- Areas returned under the control of Government of Ukraine as of October 2023
- Areas beyond the control of Government of Ukraine as of October 2023

Damage classification

- No visible damage detected
- Moderate damage: Limited damage to building structure (i.e. ammunition impacts on roof, or small sections of the building missing)
- Severe damage: Building structure partly collapsed (i.e. part of the roof or one or more fallen walls)
- Destroyed: All or most of the building structure has collapsed
- Under repair: light to medium repairs have started

Data sources:
Administrative boundaries - OCHA
Buildings footprint - Bing, adapted by REACH
Imagery background - Bing
Imagery inset - Planet Labs
Conflict: Liveuamap 26.10.2023
Damage data - REACH, (based on Maxar WorldView - 3 28.08.2022)
Coordinate System: WGS 1984 UTM Zone 36N
Projection: Transverse Mercator

Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by REACH partners, associates or donors mentioned on this map.

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